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EXPRESS MAIL NO.: EL594911086US

Examined : Kevin L. McHenry  
Art Unit : 1725  
Docket No.: 52433/674

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : H. YAMAMURA et al.  
Serial No. : 10/031,349  
Filed : January 11, 2002  
For : COOLING DRUM FOR CONTINUOUSLY CASTING  
THIN CAST PIECE AND FABRICATING METHOD  
AND DEVICE THEREFOR AND THIN CAST PIECE  
AND CONTINUOUS CASTING METHOD THEREFOR

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

SIR:

Kindly amend the above-identified patent  
application as follows:

In The Claims

Cancel claims 34, 38 and 39, without prejudice.

B/ --31. (Amended) A cooling drum for metal cast  
strip by continuous casting, characterized in that: the  
thermal conductivity of the base material of the drum is not  
less than 100 W/m·K; an intermediate layer 100 to 2,000  $\mu$ m in  
thickness having the coefficient of thermal expansion of 0.50  
to 1.20 times that of said drum base material and Vickers  
hardness Hv of not less than 150 is coated on the surface of  
said drum base material; a hard plated layer 1 to 500  $\mu$ m in

61 thickness having Vickers hardness Hv of not less than 200 is applied on the outermost surface; further on the surface, dimples 200 to 2,000  $\mu\text{m}$  in diameter and 80 to 200  $\mu\text{m}$  in depth are formed so as to contact each other or be adjacent to each other; and on the surface, fine holes 50 to 200  $\mu\text{m}$  in diameter and 30  $\mu\text{m}$  or more in depth are formed so as to have the pitch of 100 to 500  $\mu\text{m}$  but not to contact each other.--

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